IRC-5

Log # 10-18 (for office use only)

WASHINGTON STATE BUILDING CODE COUNCIL

APPLICATION FOR REVIEW OF A PROPOSED STATEWIDE AMENDMENT TO THE WASHINGTON STATE BUILDING CODE

1. State Building Code to be Amended. [] International Building Code [] International Residential Code [] ICC ANSI A117.1 Accessibility Code [] International Fire Code [] Uniform Plumbing Code [] State Energy Code	 [] Ventilation and Indoor Air Quality Code [] International Mechanical Code [] International Fuel Gas Code [] NFPA 54 National Fuel Gas Code [] NFPA 58 Liquefied Petroleum Gas Code
Section R4044	Page 103
2. Applicant:	
Annie O'Rourke	· · · · · · · · · · · · · · · · · · ·
3. Signed:	
Proponent Proponent	2/28/10 Title Date
. Contact Person:	
Annie O Rounce Name Address: PD BOX 1246 Port Angeles, WA	Title A 983/02
Phone: 360 417-5615	Fax: ()

RECEIVED

MAR 0 1 2010

SBCC

5.	may be attached.	ndment (Underline	all added words, s	strike through de	eleted words) Addition	nal pages
	Code	2009 IRC	Sectio	n R404.4	Page 103	

Amend section to read as follows:

R404.4 Retaining Walls. Retaining walls that are not laterally supported at the top and that retain in excess of 24 48 inches (610 1219 mm) of unbalanced fill shall be designed to ensure stability against overturning, sliding, excessive foundation pressure and water uplift. Retaining walls shall be designed for a safety factor of 1.5 against lateral sliding and overturning.

6. Background information on amendment.

NOTE: State-wide and emergency state-wide amendments to the state building code should be based on one of the following criteria:

- (1) The amendment is needed to address a critical life/safety need.
- (2) The amendment is needed to address a specific state policy or statute.
- (3) The amendment is needed for consistency with state or federal regulations.
- (4) The amendment is needed to address a unique character of the state.
- (5) The amendment corrects errors and omissions.

The goal is to maintain consistency with R105.2 (3), R404.1.2.2, R404.1.2.2.1, R404.1.2.2.2 and R404.1.3. These sections speak specifically to the construction foundation walls that are not laterally supported at the top and retain up to 48 inches (1219 mm) of soil.

 $Log # \frac{10 - 18}{\text{(for office use only)}}$

	Economic	impact	Workshee
constant Comment		•	

Code References: 3009 RC Title: References: 417-5015 Date: 2-28.10 Proponent: 414-444 Okacult Phono: 30 417-5015 Date: 2-28.10 Part 1 4 Amendment Benefit: PROBLEM(S) ADDRESSED:	Code							ttach supp			
Part I Amendment Benefit: PROBLEM(S) ADDRESSED:		References: 3009	LBC	Title:	Rit	אומ זה	, W	alls			
PROBLEM(S) ADDRESSED: Incorported a product of provided and provided a	Prop	onent: Masse O/	Pour	R		Phone:32	0 417	-Ste15 [Date:	2. 28.10	
PRIMARY REASON FOR AMENDMENT: (check one only) Protect public health, safety and welfare Mandate from legislation or courts Reduce cost Code change Code change	Part	I & Amendment Benefit:								,	
PRIMARY REASON FOR AMENDMENT: (check one only) Protect public health, safety and welfare Mandate from legislation or courts Reduce cost Code change Code change	PRO	BLEM(S) ADDRESSED:	Incor	esiste	nai	create	du	1 10	WM.	H	
PRIMARY REASON FOR AMENDMENT: (check one only) Protect public health, safety and welfare Mandate from legislation or courts Reduce cost Code change Code change		OF	Sico	7.023	404	L					
Protect public health, safety and welfare Mandate from legislation or courts	PRIM	MARY REASON FOR AMEN	DMENT	: (check or	ne only)						
"Manage risk" for government		rotect public health, safety and	d welfare		Mand:	ate from leg	islation o	or courts			
TYPE OF BENEFITS PROJECTED: (check all that apply) Saves lives/reduces injurtes					Code	change					
Saves energy Protects/improves long-term health Protects environment Reduces construction cost: Increases accessibility Reduces construction cost: Reduces government enforcement cost Reduces government Reduces government Reduces government Reduces government Reduces government Reduces government		AMERICAN TOL SOACHUMENT		ь	1 Other	<u>In COI</u>	1515tc	nay_			
Saves energy Protects/improves long-term health Protects environment Reduces construction cost: Increases accessibility Reduces government enforcement cost Reduces government enforcement cost Clarifles/improves existing code Protects property loss/damage Other	TYPI	E OF BENEFITS PROJECTE	D: (chec	kall that an	(vlac			,			
Protects/improves long-term health Reduces construction cost: Increases accessibility Canceling new code requirement Reduces government enforcement cost Reduces government enforcement cost Clarifles/improves existing code Protects property loss/damage Protects property loss/damage Other	L 25	ives lives/reduces injuries] Saves	energy					
Reduces construction cost: Canceling new code requirement Reduces government enforcement cost Reduces regulation Reduce	☐ Pr	rotects/improves long-term he	alth				ent				
Conceing new code requirement Reduces regulation Reduces regulation Reduces regulation Reduces regulation Reduces government enforcement cost Reduces regulation	Redu	ces construction cost:									
□ Off-setting new code requirement □ Increases construction alternatives □ Protects property loss/damage □ Other □ Protects property loss/damage □ Other □ Ot		Over existing code requiren	nent								
□ Increases construction alternatives □ Protects property loss/damage □ Other Part II ♦ Amendment Impacts: TYPES OF CONSTRUCTION: □ New Construction □ Remodeling/Tenant Improvement/Repair COMPLETE TABLE FOR EACH BUILDING TYPE CHECKED (See reverse for instruction on items a through congoing attached late and attac	<u></u>	Canceling new code require	ment] Reduc	es governm	ent enfor	cement cos	t		
Part II Amendment Impacts: TYPES OF CONSTRUCTION: New Construction		On-setting new code requir	ement								
Part II ♦ Amendment Impacts: TYPES OF CONSTRUCTION: New Construction Remodeling/Tenant Improvement/Repair COMPLETE TABLE FOR EACH BUILDING TYPE CHECKED Supporting 1st Cost Residential Residential C/Sd Degree C/Sd	⊔ in	creases construction alternative	ves		Protec	ts property	loss/dam	age			
TYPES OF CONSTRUCTION: New Construction Remodeling/Tenant Improvement/Repair COMPLETE TABLE FOR EACH BUILDING TYPE CHECKED Suilding Type					Other	***************************************					_
TYPES OF CONSTRUCTION: New Construction A Remodeling/Tenant Improvement/Repair COMPLETE TABLE FOR EACH BUILDING TYPE CHECKED Supporting Construction Enforcement Owner Ongoing Other Supporting data attached	Part '	II & Amendment Impacts:					-				
Building Type Construction Enforcement Owner Other Supporting	TYPE	S OF CONSTRUCTION:	M Naw	Constructio		* * * * * * * * * * * * * * * * * * *	:	1	t .TD	•	
Building Type			.10#	Constitution	ע יוי	A Kemodei	ing/iena	mi improve	menvke	pair	
Building Type Construction a lst Cost Co	COM	PLETE TABLE FOR EACH	BUILDIN	IG TYPE O	CHECKE	RD	(Sec. re	verse for in	etmiction	on itame A	through 6)
Ist Cost	$\sqrt{}$				" a wast		The state of the s		di-		
Residential C/S ^d Degree ^c C/S ^d Deg		5 75	H		Linercontent		B		Outer .		, - ,
Residential C/Sd Degree C/Sd							Oligonig				
Single family		Residential	C/Sd	Degreee	C/Sd	Degree	C/S ^d	Degree	C/Sd	Damae	arterostor.
Multi-family Commercial/Retail Industrial Government/Utilities Other: Determinity Commercial/Retail Industrial Government/Utilities Other: Determinity Evaluate by letter code (Spec, Custom, Factory, Remodel, Manufact., Other, NA Advantage one industry Disadvantage small business Other Part III & Comments and Recommendations: Determinity Difficulty to Enforce Determinity Difficulty to Enforce Determinity Degree of TAG controversy Evaluate by letter code (Spec, Custom, Factory, Remodel, Manufact., Other, NA NA Advantage one industry Disadvantage one industry Evaluate Yes or No (circle one) Y/® Were alternative solutions considered Y/® Recommend further benefit/impact analysis						1				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(✓)
Commercial/Retail Industrial Government/Utilities Other: Other: Calculate by number scale 0-3 (0=none, 3=significant) Calculate by number scale 0-3 (0=none, 3=significant) Decrease public cooperation Disadvantage small business Other Cart III Comments and Recommendations: Ca		Single family		!		\sim			[C/3-	Degree	√
Industrial Government/Utilities Other: Other: Other: Cyaluate by number scale 0-3 (0=none, 3=significant) Cyaluate by number scale 0-3 (0=none, 3=significant) Cyaluate by number scale 0-3 (0=none, 3=significant) Cyaluate by letter code (Spec, Custom, Factory, Remodel, Manufact., Other, NA Advantage one industry Cyaluate each by number scale 0-3 (0=none, 3=significant)	V			(_	0			C/3-	Degree	-
Other: Other: Other: Other: Cvaluate by number scale 0-3 (0—none, 3=significant) Other:	V	Multi-family	3-		_	0			C/3-	Degree	
Other: Other: Other: Other: Cvaluate by number scale 0-3 (0—none, 3=significant) Other:	V	Multi-family Commercial/Retail				0			C/3-	Degree	Y
Evaluate by number scale 0-3 (0—none, 3=significant) Likelihood for litigation Decrease public cooperation Disadvantage small business Other Part III & Comments and Recommendations: Evaluate by letter code (Spec, Custom, Factory, Remodel, Manufact., Other, NA NA Advantage one industry Disadvantage one industry Disadvantage one industry Evaluate each by number scale 0-3 (0—none, 3=significant) Difficulty to Enforce Costs exceed Benefits Degree of TAG controversy Evaluate by letter code (Spec, Custom, Factory, Remodel, Manufact., Other, NA Disadvantage one industry Disadvantage one industry Evaluate Yes or No (circle one) Y/N Were alternative solutions considered Y/N Recommend further benefit/impact analysis	V	Multi-family Commercial/Retail Industrial				0			C/3-	Degree	-
Evaluate by number scale 0-3 (0—none, 3=significant) Likelihood for litigation Decrease public cooperation Disadvantage small business Other Part III & Comments and Recommendations: Evaluate by letter code (Spec, Custom, Factory, Remodel, Manufact., Other, NA NA Advantage one industry Disadvantage one industry Disadvantage one industry Disadvantage one industry Evaluate Yes or No (circle one) Y Were alternative solutions considered Y Recommend further benefit/impact analysis	V	Multi-family Commercial/Retail Industrial Government/Utilities				0			C/3-	Degree	
Evaluate by number scale 0-3 (0 none, 3 significant) Likelihood for litigation Decrease public cooperation Disadvantage small business Other Part III & Comments and Recommendations: Evaluate by letter code (Spec, Custom, Factory, Remodel, Manufact., Other, NA NA Advantage one industry Disadvantage one industry Disadvantage one industry Disadvantage one industry Evaluate Yes or No (circle one) You Were alternative solutions considered You Were alternative solutions considered You Recommend further benefit/impact analysis	<i>V</i>	Multi-family Commercial/Retail Industrial Government/Utilities				0			0/3-	Degree	
Likelihood for litigation Decrease public cooperation Disadvantage small business Other Other Part III & Comments and Recommendations: Cvaluate each by number scale 0-3 (0=none, 3=significant) Difficulty to Enforce Costs exceed Benefits Degree of TAG controversy (Spec, Custom, Factory, Remodel, Manufact., Other, NA NA Advantage one industry Disadvantage one industry Evaluate Yes or No (circle one) Y/ Were alternative solutions considered Y/ Recommend further benefit/impact analysis	OTHE	Multi-family Commercial/Retail Industrial Government/Utilities Other:				0			0/3-	Degree	
Decrease public cooperation Disadvantage small business Other Part III Comments and Recommendations: Cvaluate each by number scale 0-3 (0=none, 3=significant) Difficulty to Enforce Costs exceed Benefits Degree of TAG controversy Disadvantage one industry Evaluate Yes or No (circle one) Y/N Were alternative solutions considered Y/N Recommend further benefit/impact analysis		Multi-family Commercial/Retail Industrial Government/Utilities Other:	-	ionificant				0		Degree	
Other Ot	Evalu	Multi-family Commercial/Retail Industrial Government/Utilities Other: ER EFFECTS: ate by number scale 0-3 (0=	-	significant			Evaluate	by letter o	code		
Other Part III Comments and Recommendations: Evaluate each by number scale 0-3 (0=none, 3=significant) Difficulty to Enforce Costs exceed Benefits Degree of TAG controversy Distributions on No (circle one) Y/ Were alternative solutions considered Y/ Recommend further benefit/impact analysis	Evalu O L	Multi-family Commercial/Retail Industrial Government/Utilities Other: ER EFFECTS: ate by number scale 0-3 (0-1) kelihood for litigation	-	significant			Evaluate Spec, Ci	by letter custom, Fact	code cory, Rer	nodel, Man	
Part III Comments and Recommendations: Evaluate each by number scale 0-3 (0=none, 3=significant) Difficulty to Enforce Cost of not adopting amendment Costs exceed Benefits Degree of TAG controversy Evaluate Yes or No (circle one) Y/N Were alternative solutions considered Y/N Recommend further benefit/impact analysis	Evalu O L O D	Multi-family Commercial/Retail Industrial Government/Utilities Other: ER EFFECTS: sate by number scale 0-3 (0-c)kelihood for litigation Decrease public cooperation	-	significant			Evaluate Spec, Ci	by letter of ustom, Fact antage one	code ory, Rer industry	model, Mana	
Evaluate each by number scale 0-3 (0=none, 3=significant) Evaluate Yes or No (circle one)	Evalu O L O D	Multi-family Commercial/Retail Industrial Government/Utilities Other: ER EFFECTS: ate by number scale 0-3 (0-2) Elkelihood for litigation Decrease public cooperation Disadvantage small business	none, 3=				Evaluate Spec, Ci	by letter of ustom, Fact antage one	code ory, Rer industry	model, Mana	
Difficulty to Enforce Cost of not adopting amendment Costs exceed Benefits Degree of TAG controversy Y/D Recommend further benefit/impact analysis	Evalu O L O D	Multi-family Commercial/Retail Industrial Government/Utilities Other: ER EFFECTS: ate by number scale 0-3 (0= Elkelihood for litigation Decrease public cooperation Disadvantage small business Other	none, 3-				Evaluate Spec, Ci	by letter of ustom, Fact antage one	code ory, Rer industry	model, Mana	
Difficulty to Enforce Cost of not adopting amendment Costs exceed Benefits Degree of TAG controversy V/D Recommend further benefit/impact analysis	Evalu O L O D O D Part I	Multi-family Commercial/Retail Industrial Government/Utilities Other: ER EFFECTS: ate by number scale 0-3 (0-2) Alkelihood for litigation Decrease public cooperation Disadvantage small business Other II & Comments and Recommercial	none, 3=	ons:			Evaluate Spec, Ci	by letter of ustom, Fact antage one	code ory, Rer industry	model, Mana	
Costs exceed Benefits Degree of TAG controversy Y/D Recommend further benefit/impact analysis	Evalu O L O D O D O D Part I Evalu	Multi-family Commercial/Retail Industrial Government/Utilities Other: ER EFFECTS: ate by number scale 0-3 (0= likelihood for litigation Decrease public cooperation Disadvantage small business Other II & Comments and Recomate each by number scale 0-	none, 3=	ons:			Evaluate Spec, Ci JA Adv A Disa	by letter oustom, Fact antage one advantage o	code cory, Rer industry ne indus	nodel, Manutry	
() CIN Confidence level	Evalu O D O D O D O D O D O D O D O D O D O D	Multi-family Commercial/Retail Industrial Government/Utilities Other: ER EFFECTS: ate by number scale 0-3 (0= likelihood for litigation Decrease public cooperation Disadvantage small business Other II & Comments and Recom ate each by number scale 0- Difficulty to Enforce	mendation 3 (0-non Cost	ons: e, 3=signifit of not ado	icant) pting arr	nendment	Evaluate Spec, Ci JA Adv A Disa	by letter outstom, Fact antage one idvantage o	code cory, Rer industry ne indus	nodel, Manutry	ufact., Other, NA
O C/S Confidence level Y Recommend future benefit/impact review	Evalu O D O D Part I Evalu O C	Multi-family Commercial/Retail Industrial Government/Utilities Other: ER EFFECTS: Late by number scale 0-3 (0-c) Likelihood for litigation Decrease public cooperation Disadvantage small business Other II & Comments and Recommate each by number scale 0-c) Costs exceed Benefits	mendation 3 (0-non-	ons: e, 3=signifit of not ado	icant) pting arr	nendment	Evaluate Spec, Ci JA Adv A Disa	by letter custom, Fact antage one idvantage o	code fory, Rer industry me indus	nodel, Manutry	ufact., Other, Na